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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/800,290	03/12/2004	Zoltan G. Toth	14669.0065USU1	8258
23552 7590 02/14/2008 MERCHANT & GOULD PC P.O. BOX 2903			EXAMINER	
			DESAL, RITA J	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/800 290 TOTH ET AL. Office Action Summary Examiner Art Unit Rita J. Desai 1625 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 27 December 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-7.9-12.15.16.24-27.29-33 and 35-87 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-7,9-12,15,16,24-27,29-33 and 35-87 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application

Paper No(s)/Mail Date 12/27/07, 12/21/07.

6) Other:

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/03/07 has been entered.

Claims pending 1-7, 9-12, 15, 16, 24-27, 29-33, 35-87 are pending.

The rejection of claims under 35 USC 103 over US 6506767 or WO 99/01450 still stands. Applicants arguments are not found to be persuasive.

They are claiming that using these different solvents and different methods give a mixtures of the form I and form II.

For one enantiomeric pure or mixtures of different ratios are not "patentable'. This is obvious to one of skill in the art.

In re Durden Jr. et al 226 USPO 359.

Even optical isomers are not patentable over racemic mixtiures.

The polymorph art is no longer new. It is a well established fact that polymorphs exists and screening for them via different processes is a routine experimentation for those of skill in the art.

Both the forms I and II are known.

Art Unit: 1625

The process claims of the applicants are drawn to making different ratios of Form I and form II.

It is similar to saying that it is a purification method.

Purification is done by crystallization from different solvents.

Also see the Polymorphic Screening: Influence of solvents on the rate of solvent -mediated

polymorphic transformation Chong-Hui Gu 2001.

Also see Solid state chemistry of drugs Stephen Byrn.

See Polymorphism in Pharmaceutical Solids, K. Guillory 1999. (all in applicants IDS.)

Page 192 shows the use of different solvents

Kaneko et al. [20] observed that both the cooling rate and the initial concentration of stearic acid in n-hexane solutions influenced the proportion of polymorphs A, B, C, and E that could be isolated. Garti et al. [21] reported that for stearic acid polymorphs crystallized from various organic solvents, a correlation was observed between the polymorph isolated and the extent of solvent-solute interaction.

The reason for using crystallization solvents having varying polarities is that molecules in solution often tend to form different types of hydrogen-bonded aggregates, and that these aggregate precursors are related to the crystal structures that develop in the supersaturated solution [22]. Crystal structure analysis of acetanilide shows that a hydrogen-bonded chain of molecules is aligned along the needle axis of the crystals. This pattern is characteristic of secondary amides that cryslatallize in a trans conformation so that the carbonyl acceptor group and the -NH hydrogen bond donor are anti to one another. The morphology of acetanilide crystals can be controlled by choosing solvents that prolmote or inhibit the formation of this hydrogen-bond chain. Hydrophobic solvents such as benzene and carbon tetrachloride will not particilizate in hydrogen-bond formation, so they will induce the formation of rapidly -rowin~ chains of hydrogen-bonded amides.

Page 193 gives the different solvents and conditions. See below:-

Art Unit: 1625

Some solvents favor the crystallization of a particular form or forms because they selectively adsorb to certain faces of some polymorphs, thereby either inhibiting their nucleation or retarding their growth to the advantage of others. Among the factors affecting the types of crystal formed are (a) the solvent composition or polarity, (b) the concentration or degree of supersaturation, (c) the temperature, in cluding cooling rate and the cooling profile, (d) additives, (e) the presence of seeds, (f) pH, especially for salt crystallization, and (g) agitation

e) meets the limitations of claim 65.

According to McCrone [27], in a poor solvent the rate of transforkmation of a metastable to a more stable polymorph is slower. Hence a metastable form once crystallized can be isolated and dried before it is converted to a more stable phase by solution phase mediated transforkmation. In some systems the metastable form is extremely unstable and may be prepared only with more extreme supercooling. This is usually performed on a very small scale with high boiling liquids so that a saturated solution at a high temperature that is suddenly cooled to room temperature will achieve a high degree of supersaturation [28].

There are many examples in the literature of the use of single solvents as crystallization screens. Slow crystallization from acetone, acetonitrile, alcohols, or mixtures of solvents yields the Form A of

Using mixtures of solvents is also suggested on page 194.

If single-solvent-solutions do not yield the-desired phase, mixtures of solvents can be tried. Multicomponent solvent evaporation methods depend on the difference in the solubility of the solute in various solvents.

In this approach, a second solvent in which the solute is sparingly soluble is added to a saturated solution of the compound in a good solvent.

Often a solvent system is selected in which the solute is more soluble in the component with the higher vapor pressure. As the solution evapor rates, the volume of the solution is reduced and, because the solvents evaporate at different rates, the composition of the solvent mixture changes.

Vapor diffusion is also used.

Art Unit: 1625

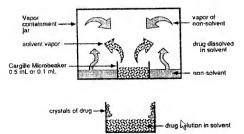


Fig. 3 Crystallization by vapor diffusion. (Reproduced with permission of the author [35] and the copyright holder, Pfizer, Inc.)

possible to prepare the higher melting polymorph by thermal treatment. Thus chlorpropamide Form A is obtained by recrystallization from ethanol solution, but Form C is obtained by heating Form A in an oven maintained at 100°C for 3 hours [36]. While the β-form of tegafur is obtained by the evaporation of a saturated methanol solution, the γ-form is obtained by heating the β-form at 130°C for one hour [37]. Form II of caffeine is prepared by recrystallization from distilled water, but Form I is prepared by heating Form II at 180°C for 10 hours [38].

Crystallization from melt is still another technique meeting the limitations of claim 29.

Rapidly changing the pH of the solution is another way to precipitate and get crystals. Meeting the limitation of claim 69.

Grinding is another process. See page 202, meets the limitations of claim 30.

Grinding

Polymorphic transformations have been observed to occur on grinding of certain materials, such as sulfathiazole, barbital, phenylbutazone,

Art Unit: 1625

cephalexin, chloramphenicol palmitate, indomethacin, and chlorpropamide. Byrn [46] has stated that polymorphic transformations in the solid state require the three steps of (a) molecular loosening (nucleation by separation from the lattice), (b) solid solution formation, and (c) separation of the product (crystallization of the new phase).

Thus several known methods are known and is within the scope of routine experimentation to make the different mixtures of form I and II of crystalline desloratadine, when both form I and II are known forms.

Conclusion

Claims 1-7, 9-12, 15, 16, 24-27, 29-33, 35-87 stand rejected.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita J. Desai whose telephone number is 571-272-0684. The examiner can normally be reached on Monday - Friday, flex time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on 571-272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/800,290 Page 7

Art Unit: 1625

Rita J. Desai Primary Examiner Art Unit 1625

R.D.

February 10, 2008

/Rita J. Desai/ Primary Examiner, Art Unit 1625